Webwork – to modify the wording of a problem

Go the the Hmwk sets editor page

Click on the number in the Edit problems column for the problem set you want

This brings up the Set Detail page for the problem set of interest

NC State WeBWorK

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Set Detail 2 for set ECE305_HW6_White

This set ECE305_HW6_White is assigned to 44 students out of 49.   Edit individual versions of set ECE305_HW6_White.

Any changes made below will be reflected in the set for ALL students.

[Save Changes] [Reset Form]

General Information	
Opens	03/23/2017 at 11:59pm 📅
Answers Due	04/13/2017 at 11:59pm 📅
Answers Available	04/13/2017 at 11:59pm 📅
Visible to Students	Yes ▾
Hide Hints from Students	No ▾
Assignment type	homework ▾

Set Description

Headers	Data
Set Header ✏ 👁	defaultHeader / Use Default Header File ▾
Hardcopy Header ✏ 👁	defaultHeader / Use Default Header File ▾

Problems

[Renumber Problems] [Render All] [Hide All]   Display Mode: images ▾

	Weight	17		Source File	local/ECE305_HW6_White/ECE305_HW6_P01_White.pg
✏ 👁	Max attempts	16			
☐ Delete it?					
☐ Mark Correct?					

I usually click the "render all" button so I can see all the problems, but if you know which problem you want to edit and don't need a reminder of what it looks like, you can click on the edit button (pencil) and go directly to the editor. The next screenshot shows the rendered page.

Calculate the quantities of all power terms in the diagram.

$P_{IN}=$ [____] W help (numbers)
$P_{Cu}=$ [____] W help (numbers)
$P_E=$ [____] W help (numbers)
$P_{Core}=$ [____] W help (numbers)
$P_M=$ [____] W help (numbers)
$P_{F,WI}=$ [____] W help (numbers)
$P_{OUT}=$ [____] W help (numbers)

Solution:

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6 ↕

Weight [17]

Max attempts [12]

☐ Delete it?
☐ Mark Correct?

Source File [local/ECE305_HW6_White/ECE305_HW6_P06_White.pg]

(17 points) **local/ECE305_HW6_White/ECE305_HW6_P06_White.pg**
A single turn loop of wire is linked to a magnetic flux of $0.7Wb/m^2[T]$. If the flux decays linearly to zero in $0.4ms$ determine the average EMF induced in the loop is
[____] V. help (numbers)

Solution:

☐ Automatically render problems on page load
☐ Force problems to be numbered consecutively from one
☐ Add [1] blank problem template(s) to end of homework set

[Save Changes]   [Reset Form]   (Any unsaved changes will be lost.)

In this case, we want to insert the words "with a density of" after the word "flux". We can see the surrounding text and where it fits.

Now click on the edit button

This brings up the editor page for the problem of interest.

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        - --6
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- Report bugs

Problem 6

Editing set ECE305_HW6_White/problem 6 in file '[TMPL]/local/ECE305_HW6_White/ECE305_HW6_P06_White.pg'

[Problem Techniques] [Math Objects] [POD] [PGLab] [PGML] [Author Info] [report bugs in this problem]

```
# DESCRIPTION
# Problem from 'ECE305 Principles of Electromechanical Energy Conversion,
NCSU', Joel Trussell, 3rd ed.
# WeBWorK problem written by Joel Trussell, <hjt@ncsu.edu>
# ENDDESCRIPTION

## DBsubject(Principles of Electromechanical Energy Conversion)
## DBchapter(Electromechanical Conversion)
## DBsection(NA)
## Institution(North Carolina State University)
## Author(H. J. Trussell)
## TitleText1('ECE305 Principles of Electromechanical Energy Conversion,
NCSU')
## AuthorText1('Leonard White')
## EditionText1('FALL 2016')
## Problem1('HW6.P6')
## Resources('ECE305_HW6_6_White_P1.png')

DOCUMENT();

loadMacros("PG.pl",
```

View   Update   NewVersion   Append

Using what seed?: 815

Using what display mode?: MathJax

Scroll down to the text block- that begins with the command "Begin Text" Insert the text at the appropriate place

Click "Update"

Click "Take Action"

Problem 6

Editing **set ECE305_HW6_White/problem 6** *in file '[TMPL]/local/ECE305_HW6_White/ECE305_HW6_P06_White.pg'*

| Problem Techniques | Math Objects | POD | PGLab | PGML | Author Info | report bugs in this problem |

```
#initialize element values, to be changed for each question
$B=random(0.5,1.5,0.1);
$Ts=random(0.1,0.5,0.1);

#calculation
$ans=Real(0);

Context()->texStrings;
BEGIN_TEXT

A single turn loop of wire is linked to a magnetic flux of \( $B Wb/m^2 [T]\). If the
flux decays linearly to zero in \( $Ts ms \) determine the average EMF induced in
the loop is \{ans_rule(10)\} V. \{AnswerFormatHelp("numbers") \}$BR


END_TEXT
Context()->normalStrings;
```

View   Update   NewVersion   Append

Save to **[TMPL]/local/ECE305_HW6_White/ECE305_HW6_P06_White.pg** and View

☑ Open in new window

Take Action!

This will open a new tab at the top of the browser with the rendering of the edited problem.

The problem is now ready for the students. However, there is one more step that needs to be done to save to the new file to Webwork archives. Go back to the Webwork Hmwk Sets Editor page and click the "Export" tab.

Hmwk Sets Editor

Show/Hide Site Description

Select an action to perform:

| Filter | Sort | Edit | Publish | Import | Export | Score | Create | Delete |

Show which sets?: enter matching set IDs below ▾

Match on what? (separate multiple IDs with commas)*: [   ]

Take Action!

Showing 46 out of 46 sets.

Set List

	Edit Set Data	Edit Problems	Edit Assigned Users	Visible	Open Date	Close Date	Answer Date
☐	Chapter 3 ✏	3	1/44	No	06/02/2014 at 01:42pm	03/02/2018 at 01:42pm	01/01/2021 at 01:42pm
☐	Chapter 4 ✏	10	1/44	No	06/02/2014 at 01:42pm	03/02/2018 at 01:42pm	01/01/2021 at 01:42pm
☐	Chapter 5 ✏	8	1/44	No	06/02/2014 at 01:42pm	03/02/2018 at 01:42pm	01/01/2021 at 01:42pm
☐	Chapter 6 ✏	8	1/44	No	06/02/2014 at 01:42pm	03/02/2018 at 01:42pm	01/01/2021 at 01:42pm
☐	Chapter 7 ✏	1	1/44	No	06/02/2014 at 01:42pm	03/02/2018 at 01:42pm	01/01/2021 at 01:42pm

Verify that Export which sets? Is set to visible sets. Than click "take action." This will show that Webwork is setting to export visible sets – note the green line

Hmwk Sets Editor

Show/Hide Site Description

Results of last action performed:
exporting visible sets

Select an action to perform:

| Save Export | Cancel Export |

Export selected sets

Take Action!

Showing 46 out of 46 sets.

Set List

	Edit Set Data	Edit Problems	Edit Assigned Users
☑	*Chapter 3* 🖊	3	1/44
☑	*Chapter 4* 🖊	10	1/44
☑	*Chapter 5* 🖊	8	1/44
☑	*Chapter 6* 🖊	8	1/44

You need to click "Take Action" one more time to complete the export operation! This updates the *.def files in the Webwork archive. Do not omit this action! You may lose your edits, not for this semester but for the next semester, if you create a new archive without completing the export. This gives

Hmwk Sets Editor

Results of last action performed:
46 sets exported, 0 sets skipped. Skipped sets: ()

Show/Hide Site Description

Select an action to perform:

| Filter | Sort | Edit | Publish | Import | Export | Score | Create | Delete |

Show which sets?: enter matching set IDs below ▾

Match on what? (separate multiple IDs with commas)*: [   ]

Take Action!

Showing 46 out of 46 sets.

Set List

	Edit Set Data	Edit Problems	Edit Assigned Users	Visible	Open Date	Close Date	Answer Date
☑	*Chapter 3* ✎	3	1/44	*No*	*06/02/2014 at 01:42pm*	*03/02/2018 at 01:42pm*	*01/01/2021 at 01:42pm*